

ABSTRACT

A photoelectric conversion element, comprises: a casing; and a stacked body enclosed within the casing, wherein the stacked body comprises: a working electrode having a porous oxide semiconductor layer having a sensitizing dye supported on a surface thereof; a counter electrode provided on a side of the porous oxide semiconductor layer of the working electrode facing the working electrode; and an electrolyte layer disposed on at least a part of which is between the working electrode and the counter electrode, and wherein an upper surface and a lower surface of the stacked body contacts directly or indirectly an inner surface of the casing, the portion of the casing at least contacting the working electrode being made of a material having an optical characteristic of transmitting sunlight.